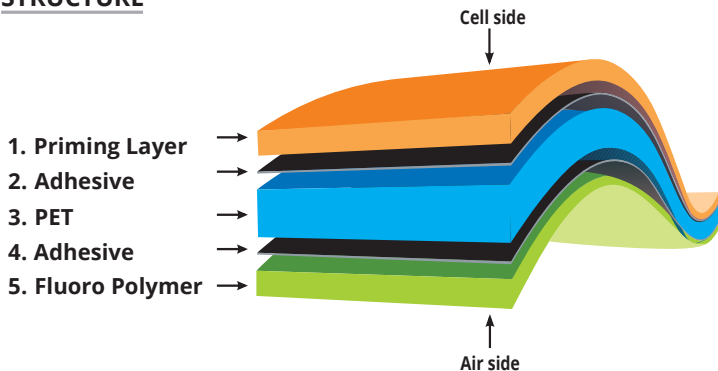


PRESERV 1 - TF

'PRESERV 1 - 150 TF, 300 TF' is a Fluoro based, UV and weather stable, transparent Backsheet. 'PRESERV 1 - 150 TF, 300 TF' can be used for all Crystalline PV Modules, specially for BIPV and Bifacial.

STRUCTURE



PROPERTIES - PRESERV 1 - 150 TF

Particulars	Test Method	Unit	Description	Values
Thickness	Micrometre	µm		300
Width	Scale	mm		Up to 1310
Tensile Strength @ max. load	ASTM D 882	MPa	MD TD	≥90 ≥90
Elongation @ break	ASTM D 882	%	MD TD	≥90 ≥90
Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD TD	<1.5 <0.5
Interlayer Adhesion Strength	ASTM D 903	N/cm	PVDF/PET PET/PRIMER	>5 >5
Adhesion Strength with Encapsulant	ASTM D 903	N/cm	Backsheet / EVA	>70
Moisture Barrier - MVTR @ 38°C, 90% RH	ASTM F 1249	g/(m ² · day)		<2
Dielectric Strength	ASTM F 149	kV		20
System Voltage	IEC 61730 - 1	VDC		1000
Optical Transmittance	ASTME - 424	%		90±2

Width: Up to 1000 mm - all sizes available. Sizes >1000 mm - make to order

PROPERTIES - PRESERV 1 - 300 TF

Particulars	Test Method	Unit	Description	Values
Thickness	Micrometre	µm		360
Width	Scale	mm		Up to 1310
Tensile Strength @ max. load	ASTM D 882	MPa	MD TD	≥100 ≥100
Elongation @ break	ASTM D 882	%	MD TD	≥100 ≥100
Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD TD	<1.5 <0.5
Interlayer Adhesion Strength	ASTM D 903	N/cm	PVDF/PET PET/PRIMER	>5 >5
Adhesion Strength with Encapsulant	ASTM D 903	N/cm	Backsheet / EVA	>70
Moisture Barrier - MVTR @ 38°C, 90% RH	ASTM F 1249	g/(m ² - day)		<2
Dielectric Strength	ASTM F 149	kV		20
System Voltage	IEC 61730 - 1	VDC		1500
Optical Transmittance	ASTME - 424	%		90 ± 2

Width: Up to 1000 mm - all sizes available. Sizes >1000 mm - make to order

PRESERV 1 - TF



Packing Unless specified, below is the standard packing of 'PRESERV'
Length/Roll: 180 or 230 metres | # No. of Rolls/Pallet: 9
Total Linear Metres/Pallet: 1620 or 2070
Each roll is wrapped with polyethylene sheet
Rolls are palletize vertically placed with top and bottom lid

Note : The above technical information represents the typical range of properties and is believed to be correct as on date. However, this data should not be used to establish specification limits or used as basis for design. Lamination parameters and Quality of other components of the laminate during module manufacturing impact on the overall performance of the module, and hence we recommend the user to carry out intensive trials to test suitability of this product and module laminating conditions. RenewSys gives no warranty and assumes no liability on connection with any use of this information and is subject to the RenewSys general terms and conditions.

inter
**solar
award**

2018
Finalist

CONSERV®
E 360 - POE
Encapsulant

1 - TF - 07/2021/1